

Introduction to CSREES Integrated Competitive Programs



Grantsmanship
Workshop



CSREES

Cooperative
State
Research
Education
Extension
Service



CSREES
INTEGRATED
PROGRAMS

OUR MISSION

To advance knowledge
for agriculture, the
environment, human
health and well-being,
and communities.



The background of the slide features a photograph of a rural farm scene. In the foreground, there is a field of dry, golden-brown crops. In the middle ground, three tall, cylindrical metal grain silos with conical roofs are visible, along with a small red barn. The sky is a clear, pale blue. The top of the slide has a dark blue horizontal band containing the title text.

CSREES

Portfolio of Funding Mechanisms

Formula Funding

Congressional Line Items

Competitive Programs

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Integrated Research, Education, and Extension

I n t e g r a t e d

Research

Education

Extension

To bring the three components of the agricultural knowledge system (**research, education, and extension**) around a problem area or issue

Integrated Research, Education, and Extension

What does optimal integration look like?

Research, extension, and education components complement one another and are truly necessary for the ultimate success of the project

Integrated Research, Education, and Extension

Research: What are the knowledge gaps?

Research should fill knowledge gaps that are critical to the development of practices and programs that will address the problem

Integrated Research, Education, and Extension

*Education: How will the next generation
be trained?*

Education should strengthen
institutional capacity and curricula
and train the next generation of
scientists, educators, practitioners,
and citizens

Integrated Research, Education, and Extension

Extension: How will information be delivered to help the target audience make more informed decisions?

Extension should lead to measurable documented changes in learning, actions, or conditions in an identified audience or stakeholder group

Integrated Research, Education, and Extension

Integrated Project Characteristics

Stakeholder Driven

Problem Focused

Outcome Oriented

Potential Outcomes/Impacts

Short-Term *Learning*

Awareness

Knowledge

Skills

Opinions

Aspirations

Medium *Action*

Behavior

Practices

Decisions

Policies

Social Action

Long-Term *Conditions*

Human

Economic

Civic

Environmental

Knowledge Continuum for Research, Education, and Extension

Research

Filling gaps
in knowledge

Education

Training the next
generation

**Integrated
Programs**



Extension

Dissemination of knowledge
for decision-making

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CSREES Integrated Programs

Section 406 Integrated, Research,
Education, and Extension Competitive
Grants Program

National Integrated Food Safety Initiative

National Integrated Water Quality Program

Integrated Pest Management Programs

CAR, RAMP, IPM Centers

Methyl Bromide Transitions

Integrated Organic Program



CSREES Integrated Programs

Pest Management Alternatives Program

International Science and Education
Competitive Grants Program

Specialty Crop Research Initiative

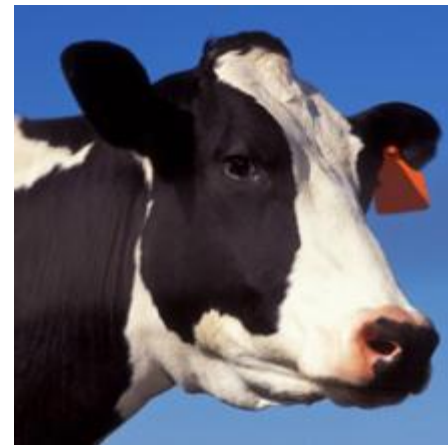
Agriculture and Food Research Initiative
Integrated Programs

*15 program areas will support
integrated projects in FY 2009*



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Integrated Research Education, and Extension Competitive Grants Program (Section 406)



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Integrated Research, Education, and Extension

Authorized in Section 406 of the Agricultural Research, Extension and Education Reform Act of 1998 (AREERA).

Provides funding for integrated, multifunctional agricultural research, education, and extension activities.

Integrated Research, Education, and Extension



Eligible Institutions

Colleges and universities, University research foundations, 1994 Land-Grant Universities, and Hispanic-serving agricultural colleges and universities

Matching if commodity specific

Indirect costs capped at 22%



Appropriations

2000	\$39.54 M
2001	41.85 M
2002	42.85 M
2003	44.23 M
2004	39.55 M
2005	43.06 M
2006	42.29 M
2007	42.29 M
2008	41.99 M

Integrated Research, Education, and Extension

National Integrated Food Safety Initiative

\$14.6 M for FY 2008

National Integrated Water Quality Program

\$12.6 M for FY 2008

Integrated Pest Management: Crops at Risk

\$1.3 M for FY 2008

Integrated Pest Management: Risk Avoidance &
Mitigation

\$4.1 M for FY 2008

Integrated Research, Education, and Extension

Integrated Pest Management: Regional Pest Management Centers

No competition in FY 2009

Methyl Bromide Transitions

\$3 M for FY 2008

Integrated Organic Program

Organic Transitions \$1.8 M for FY 2008

Organic Agriculture Research and Extension
Initiative \$17.3 M for FY 2009

Pest Management Alternatives Program

Develop and implement IPM practices,
tactics and systems for specific pest
problems while reducing human and
environmental risks

\$1.4 M for FY 2008

International Science and Education Competitive Grants Program

Support research, extension, and teaching activities that will enhance the capabilities of American colleges and universities to conduct international collaborative research, extension, and teaching

\$2.5 M for FY 2009

Specialty Crop Research Initiative

Established to solve critical industry issues through research and extension activities.

\$28.4 M for FY 2008

\$47.3 M for FY 2009

Specialty Crop Research Initiative

Five Focus Areas:

Plant breeding, genetics, and genomics

Identify and address threats from pests and diseases

Production efficiency, productivity, and profitability

New innovations and technology

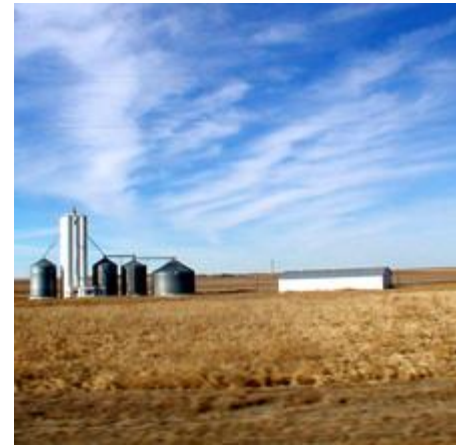
Methods to prevent, detect, monitor, control, and respond to potential food safety hazards



Agriculture and Food Research Initiative



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Agriculture and Food Research Initiative

Authorized in Section 7406 of the Food, Conservation, and Energy Act of 2008 (*i.e.*, the 2008 Farm Bill)

AFRI is a new competitive grant program to provide funding for fundamental and applied research, extension, and education to address food and agricultural sciences.

Agriculture and Food Research Initiative

Fundamental and Applied Research

Extension

Education

**Integrated Research, Extension,
and/or Education**

Agriculture and Food Research Initiative

Authorized for appropriation of \$700 million for each of fiscal years 2008 through 2012

No less than 30% will be made available for integrated programs



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Agriculture and Food Research Initiative

Of funds allocated for research:

No less than 40% made available for applied research

No less than 60% made available for fundamental research

No less than 30% for multi-disciplinary teams

No more than 2% for equipment grants

Agriculture and Food Research Initiative

Two different eligibilities provided in the Farm Bill:

“Section 406 eligibility” for integrated programs

“AFRI eligibility” for non-integrated programs

Eligibility implemented at the program level

All AFRI programs are designated as
“integrated” or “non-integrated”

Integrated Eligibility



Eligible Institutions

Colleges and universities, University research foundations, 1994 Land-Grant Universities, and Hispanic-serving agricultural colleges and universities

Indirect costs capped at 22%



Agriculture and Food Research Initiative

Multi-functional: Integrated Research, Education,
and/or Extension Grants

Single Function: Research, Education, or
Extension Grants

Conference Grants

Food and Agricultural Science Enhancement
Grants (FASE; restricted eligibility)

Coordinated Agricultural Project Grants (CAP)

Conference Grants

Support scientific meetings that bring together scientists to identify research, education, or extension needs, update information, or advance an area of science

Not expected to exceed \$10,000 and are not renewable, indirect costs are not allowed

Contact the National Program Leader for the applicable program

Food and Agricultural Science Enhancement Grants (FASE)

Post-Doctoral Fellowship Grants

New Investigator Grants

Strengthening Grants

Sabbatical

Equipment

Seed

Strengthening Standard

Food and Agricultural Science Enhancement Grants (FASE)

Post-Doctoral Fellowship Grants

Limited to \$125,000 for a two-year duration and are not renewable

Funds for salary support, other expenditures (*e.g.*, supplies, travel, and publication) are allowed

New Investigator Grants

<5 years postgraduate, career-track experience and has not received competitively awarded Federal research funds

Food and Agricultural Science Enhancement Grants (FASE)

Strengthening Grant Eligibility

Small and mid-sized schools, Experimental Program for Stimulating Competitive Research (EPSCoR) states, and minority-serving institutions

Limited institutional success

Food and Agricultural Science Enhancement Grants (FASE)

Sabbatical Grants

Limited to one year of salary and funds for travel and supplies and are not renewable

Equipment Grants

Limited to one major piece of equipment within the cost range of \$10,000-\$250,000

Amount requested shall not exceed 50 percent of the cost or \$50,000

Matching funds with non-Federal funds

Food and Agricultural Science Enhancement Grants (FASE)



Seed Grants

Limited to a total of \$150,000 for two-years and are not renewable

Strengthening Standard Grants

Use strengthening set-aside funds for meritorious standard proposals that fall below the funding cutoff limit

Integrated Coordinated Agricultural Project Grants (CAP)

Designed to target specific gaps or make rapid progress on high priority areas

Large Awards – \$3 million plus

May be research or integrated

Significant % of flexible funding

Agriculture and Food Research Initiative

Key Points for Integrated Projects:

Applications must provide the elements of a logic model (*e.g.*, activities, outputs, and outcomes)

Narrative form or Logic Model Chart

Applications must contain objectives for each function (research, education, and/or extension) included in the project

Agriculture and Food Research Initiative

Key Points for Integrated Projects:

Must budget sufficient resources to carry out the set of research, education, and/or extension activities

No more than 2/3 on a single function

Must include individuals on the project team with significant expertise in each component of the project

Agriculture and Food Research Initiative

Six Priority Areas:

Plant Health and Production and Plant
Products

Animal Health and Production and Animal
Products

Food Safety, Nutrition, and Health

Agriculture and Food Research Initiative



Six Priority Areas:

Renewable Energy, Natural Resources, and
Environment

Agriculture Systems and Technology

Agriculture Economics and Rural
Communities



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Plant Health and Production and Plant Products



Protection of Managed Bees CAP (\$3 M)

Plant Biosecurity (\$4.3 M)*

Applied Plant Genomics CAP (\$10 M)

Plant Breeding and Education (\$6.5 M)

*Integrated and Extension-only projects requested

Animal Health and Production and Animal Products



Animal Biosecurity CAP (\$0 in 2009; \$4M in 2010)

Integrated Solutions for Animal Agriculture
(\$4 M)



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Food Safety, Nutrition, and Health

Food Safety and Epidemiology:
Epidemiological Approaches for Food Safety
(\$4.5 M)

Human Nutrition and Obesity (\$11 M; \$1 M
extension-only) *

* Integrated and Extension-only projects requested

Renewable Energy, Natural Resources, and Environment

Air Quality (\$5.8 M) *

Biology of Weedy and Invasive Species in Agroecosystems (\$4.6 M)

Managed Ecosystems (\$4.5 M)

Sustainable Agroecosystems Science and Long-Term Agroecosystem Program (\$1 M)

* Integrated and Extension-only projects requested

Agricultural Economics and Rural Communities

A photograph of three young men standing in a field of tall grass. The man on the left is wearing a red baseball cap and a light blue shirt. The man in the middle is wearing a grey and black long-sleeved shirt. The man on the right is wearing a grey and black long-sleeved shirt. They are all looking towards the right side of the frame.

Agricultural Prosperity for Small and
Medium-sized Farms (\$4.8 M)

Rural Development (\$0 in 2009; \$4.6 M in
2010)





Integrated Programs Solve Today's Problems

C S R E E S
I N T E G R A T E D
P R O G R A M S